

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 21, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event The area received between 0.5-0.8" of rain on 10/15 and approximately 0.95" over 10/18-10/19.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> -Access roads are completely accessible. 10/21/04 -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 10/21/04 - The area between the retaining walls #2 and3 is serving as an access area10/21/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 10/21/04 - None at this time. Continue to monitor. 10/21/04 - None at this time. 10/21/04
Foundation construction	<ul style="list-style-type: none"> - Some minor work continues up near the Route 7 ramp. - The excavation for a permitted, contained holding tank is currently underway. 10/21/04 	<ul style="list-style-type: none"> - None at this time. Areas remain well contained 10/21/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence can be removed from most areas where vegetative cover is sufficient. It should remain at the ends of the overflow channel where vegetative has not fully established. 10/21/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.
	<ul style="list-style-type: none"> - One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-10/21/04 	<ul style="list-style-type: none"> - Fence should be reinforced in this location before winter. 10/21/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- The small excavation up near the Rt. 7 Ramp and the control building is well contained within the site. 10/21/04	- None at this time. 10/21/04
	- The topsoil stockpile remains well contained along the retaining wall and portions have been used on site. 9/23-10/21/04	- The pile will continue to be used where necessary in areas to be grassed in the future. 6/30-10/21/04
	-Additional grass growth was noted in some areas along the channel but other adjacent areas have remained fairly sparse. 10/21/04 - Plantings of trees and seedlings have been placed along the channel have potential to further stabilize the soil. 10/21/04	- Best efforts should be made to get as much vegetative cover as possible at this time of year. Straw mulch should be used to encourage growth. 10/07-10/21/04
	-Some slight scour has occurred at the base of the silt fence where the topsoil had washed away and exposed the cobbles near the southern end of retaining wall #5. 10/07-10/21/04	- Placing additional cobbles here at the base of slope may help reduce undercuts to the slope. This problem is not at all serious but could be investigated to keep any future slope undercuts from occurring. 10/07-10/21/04
Inland Wetland and Watercourse encroachment and mitigation	- Most areas have sufficient vegetative cover but a few areas remain sparse. Some additional growth had occurred but the areas adjacent to and within the channel especially need stabilizing cover. 10/21/04	- Continue to monitor silt fence and repair as necessary, especially in the portions closest to the river. Fence could be removed from areas with sufficient cover. 10/21/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Landscaping and planting of native species has occurred here and the area looks very good. River birch (<i>Betula nigra</i>) is one of the	- Focus should be on trying to get sparsely vegetated areas to get sufficient growth before the winter. Placement of straw mulch may help to promote

Areas of Inspection	Observation	Recommended Action
	representative species. 10/21/04	growth. 10/21/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week. - It appears that there was a small drip/leak from a generator placed up near the Route 7 ramp. Some plastic had been placed underneath it but pads should be put down if this equipment is to remain on site. It is supposed to be removed from site soon. Any affected soil should be cleaned up. 10/21/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-10/21/04 - The island or bank on which the bridge footing was located is mostly bare of vegetation. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-10/21/04

Next likely scheduled inspection:

Thursday October 28, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: October 21, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received between 0.5-0.8" of rain on 10/15 and approximately 0.95" over 10/18-10/19.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 10/21/04	- None at this time. 10/21/04
Foundation construction	-The GIS slab work is ongoing with the large concrete slab recently poured. 10/21/04 - A few additional excavations for footings are underway. 10/14-10/21/04 - Soil is being actively hauled off site at this time. Remaining excavate is being combined into stockpiles for backfill and covered. 9/16-10/21/04	- The areas are still well contained at this time. Little future ground disturbance/civil work is proposed. 10/21/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. 10/21/04	- None at this time 10/21/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- There is no silt fence in place at this time, however any stockpiles are covered in plastic and no sedimentation has occurred. 9/16-10/21/04	-All areas are well-contained and there is no sedimentation near any off site areas. 10/21/04 - Continue to be proactive in plastic placement and maintenance. 10/21/04
	- The stone perimeter berm is well in place and contains the yard. It prevented any turbid water from leaving the site during either of the two large storms. 9/30-10/21/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 10/21/04
	-No misdirected concrete washouts were noted. 10/21/04	- The main objective is to keep all washout water from storm drains and resource areas. 10/21/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-10/21/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-10/21/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Minor dewatering activities have continued in order to remove standing water from the excavations. 10/21/04 - The water is being directed to flat, stoned areas within the center of the yard and is being directed away from the stockpiles and excavations. 9/16-10/21/04	- None at this time.
	- No blasting is occurring on	- None at this time.

Areas of Inspection	Observation	Recommended Action
Blasting	site at this time.	
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 10/21/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Thursday October 28 , 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

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View of some of the landscaping and plantings along the Norwalk River and the bike path on site. The area looks very good with the new work. 10/21/04



View of the southern portion of the overflow channel where some of the landscaping was recently completed. A straw mulch may help stabilize the area and promote vegetative cover sooner. 10/21/04



Small amounts of vegetative cover are growing in portions of the channel. The area was recently landscaped and trees and small seedlings were planted. Placing straw mulch may help with future cover. 10/21/04



View of the northernmost portion of the bike path beyond the perimeter fence. The erosion in this area was obstructed by completing the bike path with paving. 10/21/04



Plumtree Substation: View of the recently poured concrete pad for the GIS building with the small soil stockpiles in the background. All areas on site are contained. 10/21/04



View of the concrete pad at Plumtree with the smaller footing excavation areas in the foreground. 10/21/04